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- (71) Applicant (for all designated States except US): **EMORY UNIVERSITY** [US/US]; Office of Technology Transfer, 1784 North Decatur Road, Suite 130, First Floor, North Decatur Building, Atlanta, GA 30322 (US).
- (72) Inventors; and
- (75) Inventors/Applicants (for US only): **SHUR, Barry, D.** [US/US]; 2014 N. Ponce de Leon Ave., Atlanta, GA 30307 (US). **ENSSLIN, Michael** [DE/US]; 1652 N. Gatewood Rd., Apt.10, Atlanta, GA 30329 (US).

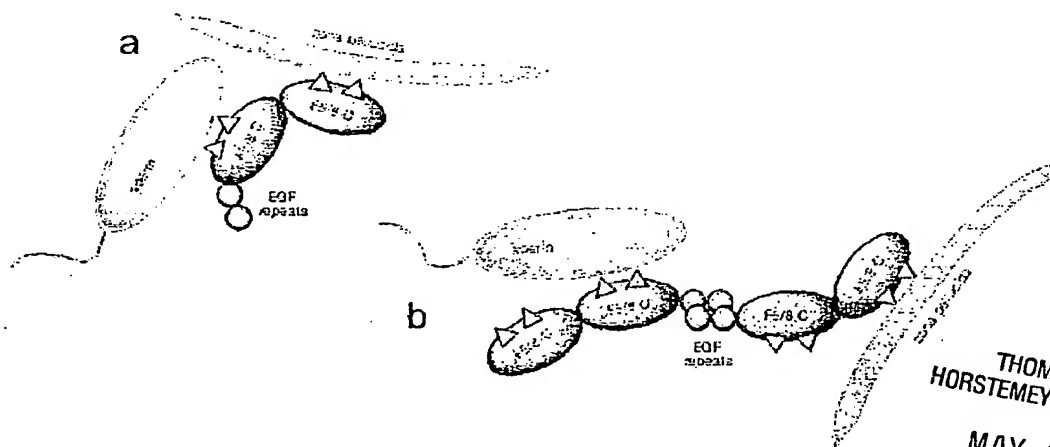
(74) Agent: **VORNDRAN, Charles**; Thomas, Kayden, Horstemeyer & Risley, LLP, 100 Galleria Parkway, N.W., Suite 1750, Atlanta, GA 30339-5948 (US).

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(54) Title: METHODS AND COMPOSITIONS FOR MODULATING GAMETE ADHESION



THOMAS, KAYDEN
HORSTEMEYER & RISLEY, LLP.

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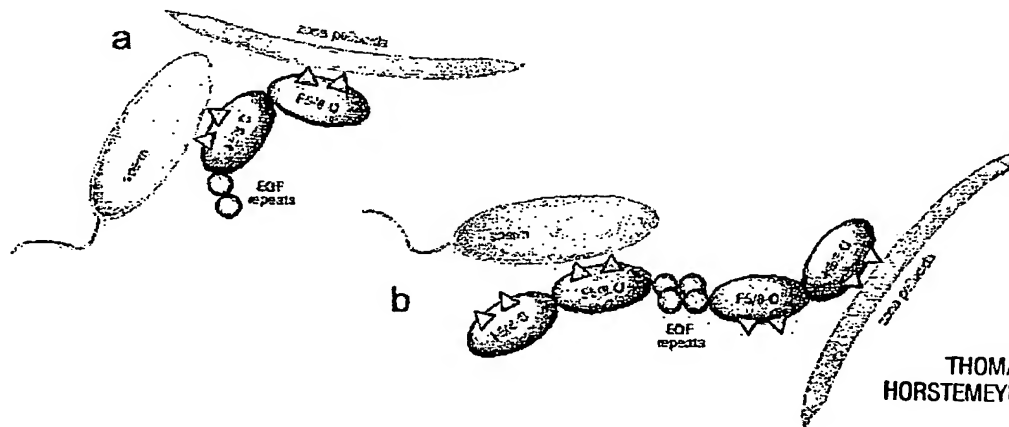
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(54) Title: **METHODS AND COMPOSITIONS FOR MODULATING GAMETE ADHESION**



THOMAS, KAYDEN
HORSTEMEYER & RISLEY, LLP.

OCT 28 2005

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	SED1-EGF-22	- S G P P C D S - S L D - U G G T C L T C O S - - - - - I T C L G C P T O L V C S
	SED1-EGF-23	- S G P P C D S - S L D - U G G T C L T C O S - - - - - I T C L G C P T O L V C S
	SED1-EGF-24	- S G P P C D S - S L D - U G G T C L T C O S - - - - - I T C L G C P T O L V C S
	SED1-EGF-25	- S G P P C D S - S L D - U G G T C L T C O S - - - - - I T C L G C P T O L V C S
	SED1-EGF-26	- S G P P C D S - S L D - U G G T C L T C O S - - - - - I T C L G C P T O L V C S
	SED1-EGF-27	- S G P P C D S - S L D - U G G T C L T C O S - - - - - I T C L G C P T O L V C S
	SED1-EGF-28	- S G P P C D S - S L D - U G G T C L T C O S - - - - - I T C L G C P T O L V C S
	SED1-EGF-29	- S G P P C D S - S L D - U G G T C L T C O S - - - - - I T C L G C P T O L V C S
	SED1-EGF-30	- S G P P C D S - S L D - U G G T C L T C O S - - - - - I T C L G C P T O L V C S
	SED1-EGF-31	- S G P P C D S - S L D - U G G T C L T C O S - - - - - I T C L G C P T O L V C S
	SED1-EGF-32	- S G P P C D S - S L D - U G G T C L T C O S - - - - - I T C L G C P T O L V C S
	SED1-EGF-33	- S G P P C D S - S L D - U G G T C L T C O S - - - - - I T C L G C P T O L V C S
	SED1-EGF-34	- S G P P C D S - S L D - U G G T C L T C O S - - - - - I T C L G C P T O L V C S
	SED1-EGF-35	- S G P P C D S - S L D - U G G T C L T C O S - - - - - I T C L G C P T O L V C S
	SED1-EGF-36	- S G P P C D S - S L D - U G G T C L T C O S - - - - - I T C L G C P T O L V C S
	SED1-EGF-37	- S G P P C D S - S L D - U G G T C L T C O S - - - - - I T C L G C P T O L V C S
	SED1-EGF-38	- S G P P C D S - S L D - U G G T C L T C O S - - - - - I T C L G C P T O L V C S
	SED1-EGF-39	- S G P P C D S - S L D - U G G T C L T C O S - - - - - I T C L G C P T O L V C S
	SED1-EGF-40	- S G P P C D S - S L D - U G G T C L T C O S - - - - - I T C L G C P T O L V C S
	SED1-EGF-41	- S G P P C D S - S L D - U G G T C L T C O S - - - - - I T C L G C P T O L V C S
	SED1-EGF-42	- S G P P C D S - S L D - U G G T C L T C O S - - - - - I T C L G C P T O L V C S
	SED1-EGF-43	- S G P P C D S - S L D - U G G T C L T C O S - - - - - I T C L G C P T O L V C S
	SED1-EGF-44	- S G P P C D S - S L D - U G G T C L T C O S - - - - - I T C L G C P T O L V C S
	SED1-EGF-45	- S G P P C D S - S L D - U G G T C L T C O S - - - - - I T C L G C P T O L V C S
	SED1-EGF-46	- S G P P C D S - S L D - U G G T C L T C O S - - - - - I T C L G C P T O L V C S
	SED1-EGF-47	- S G P P C D S - S L D - U G G T C L T C O S - - - - - I T C L G C P T O L V C S
	SED1-EGF-48	- S G P P C D S - S L D - U G G T C L T C O S - - - - - I T C L G C P T O L V C S
	SED1-EGF-49	- S G P P C D S - S L D - U G G T C L T C O S - - - - - I T C L G C P T O L V C S
	SED1-EGF-50	- S G P P C D S - S L D - U G G T C L T C O S - - - - - I T C L G C P T O L V C S
	SED1-EGF-51	- S G P P C D S - S L D - U G G T C L T C O S - - - - - I T C L G C P T O L V C S
	SED1-EGF-52	- S G P P C D S - S L D - U G G T C L T C O S - - - - - I T C L G C P T O L V C S
	SED1-EGF-53	- S G P P C D S - S L D - U G G T C L T C O S - - - - - I T C L G C P T O L V C S
	SED1-EGF-54	- S G P P C D S - S L D - U G G T C L T C O S - - - - - I T C L G C P T O L V C S
	SED1-EGF-55	- S G P P C D S - S L D - U G G T C L T C O S - - - - - I T C L G C P T O L V C S
	SED1-EGF-56	- S G P P C D S - S L D - U G G T C L T C O S - - - - - I T C L G C P T O L V C S
	SED1-EGF-57	- S G P P C D S - S L D - U G G T C L T C O S - - - - - I T C L G C P T O L V C S
	SED1-EGF-58	- S G P P C D S - S L D - U G G T C L T C O S - - - - - I T C L G C P T O L V C S
	SED1-EGF-59	- S G P P C D S - S L D - U G G T C L T C O S - - - - - I T C L G C P T O L V C S
	SED1-EGF-60	- S G P P C D S - S L D - U G G T C L T C O S - - - - - I T C L G C P T O L V C S
	SED1-EGF-61	- S G P P C D S - S L D - U G G T C L T C O S - - - - - I T C L G C P T O L V C S
	SED1-EGF-62	- S G P P C D S - S L D - U G G T C L T C O S - - - - - I T C L G C P T O L V C S
	SED1-EGF-63	- S G P P C D S - S L D - U G G T C L T C O S - - - - - I T C L G C P T O L V C S
	SED1-EGF-64	- S G P P C D S - S L D - U G G T C L T C O S - - - - - I T C L G C P T O L V C S
	SED1-EGF-65	- S G P P C D S - S L D - U G G T C L T C O S - - - - - I T C L G C P T O L V C S
	SED1-EGF-66	- S G P P C D S - S L D - U G G T C L T C O S - - - - - I T C L G C P T O L V C S
	SED1-EGF-67	- S G P P C D S - S L D - U G G T C L T C O S - - - - - I T C L G C P T O L V C S
	SED1-EGF-68	- S G P P C D S - S L D - U G G T C L T C O S - - - - - I T C L G C P T O L V C S
	SED1-EGF-69	- S G P P C D S - S L D - U G G T C L T C O S - - - - - I T C L G C P T O L V C S
	SED1-EGF-70	- S G P P C D S - S L D - U G G T C L T C O S - - - - - I T C L G C P T O L V C S
	SED1-EGF-71	- S G P P C D S - S L D - U G G T C L T C O S - - - - - I T C L G C P T O L V C S
	SED1-EGF-72	- S G P P C D S - S L D - U G G T C L T C O S - - - - - I T C L G C P T O L V C S
	SED1-EGF-73	- S G P P C D S - S L D - U G G T C L T C O S - - - - - I T C L G C P T O L V C S
	SED1-EGF-74	- S G P P C D S - S L D - U G G T C L T C O S - - - - - I T C L G C P T O L V C S
	SED1-EGF-75	- S G P P C D S - S L D - U G G T C L T C O S - - - - - I T C L G C P T O L V C S
	SED1-EGF-76	- S G P P C D S - S L D - U G G T C L T C O S - - - - - I T C L G C P T O L V C S
	SED1-EGF-77	- S G P P C D S - S L D - U G G T C L T C O S - - - - - I T C L G C P T O L V C S
	SED1-EGF-78	- S G P P C D S - S L D - U G G T C L T C O S - - - - - I T C L G C P T O L V C S
	SED1-EGF-79	- S G P P C D S - S L D - U G G T C L T C O S - - - - - I T C L G C P T O L V C S
	SED1-EGF-80	- S G P P C D S - S L D - U G G T C L T C O S - - - - - I T C L G C P T O L V C S
	SED1-EGF-81	- S G P P C D S - S L D - U G G T C L T C O S - - - - - I T C L G C P T O L V C S
	SED1-EGF-82	- S G P P C D S - S L D - U G G T C L T C O S - - - - - I T C L G C P T O L V C S
	SED1-EGF-83	- S G P P C D S - S L D - U G G T C L T C O S - - - - - I T C L G C P T O L V C S
	SED1-EGF-84	- S G P P C D S - S L D - U G G T C L T C O S - - - - - I T C L G C P T O L V C S
	SED1-EGF-85	- S G P P C D S - S L D - U G G T C L T C O S - - - - - I T C L G C P T O L V C S
	SED1-EGF-86	- S G P P C D S - S L D - U G G T C L T C O S - - - - - I T C L G C P T O L V C S
	SED1-EGF-87	- S G P P C D S - S L D - U G G T C L T C O S - - - - - I T C L G C P T O L V C S
	SED1-EGF-88	- S G P P C D S - S L D - U G G T C L T C O S - - - - - I T C L G C P T O L V C S
	SED1-EGF-89	- S G P P C D S - S L D - U G G T C L T C O S - - - - - I T C L G C P T O L V C S
	SED1-EGF-90	- S G P P C D S - S L D - U G G T C L T C O S - - - - - I T C L G C P T O L V C S
	SED1-EGF-91	- S G P P C D S - S L D - U G G T C L T C O S - - - - - I T C L G C P T O L V C S
	SED1-EGF-92	- S G P P C D S - S L D - U G G T C L T C O S - - - - - I T C L G C P T O L V C S
	SED1-EGF-93	- S G P P C D S - S L D - U G G T C L T C O S - - - - - I T C L G C P T O L V C S
	SED1-EGF-94	- S G P P C D S - S L D - U G G T C L T C O S - - - - - I T C L G C P T O L V C S
	SED1-EGF-95	- S G P P C D S - S L D - U G G T C L T C O S - - - - - I T C L G C P T O L V C S
	SED1-EGF-96	- S G P P C D S - S L D - U G G T C L T C O S - - - - - I T C L G C P T O L V C S
	SED1-EGF-97	- S G P P C D S - S L D - U G G T C L T C O S - - - - - I T C L G C P T O L V C S
	SED1-EGF-98	- S G P P C D S - S L D - U G G T C L T C O S - - - - - I T C L G C P T O L V C S
	SED1-EGF-99	- S G P P C D S - S L D - U G G T C L T C O S - - - - - I T C L G C P T O L V C S
	SED1-EGF-100	- S G P P C D S - S L D - U G G T C L T C O S - - - - - I T C L G C P T O L V C S

(57) Abstract: Methods and compositions for modulating mammalian gamete adhesion are provided. Representative modulators of gamete adhesion include, but are not limited to polypeptides comprising at least one discoidin/C domain, and optionally at least one EGF domain. A representative polypeptide includes, but is not limited to SED1 polypeptides (SEQ ID NO. 2-7), prodrugs, fragments, or derivatives thereof. Methods for identifying modulators of SED1-mediated gamete adhesion are also provided.



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